

# Contents

*Marine Geology* Volume 124, 1995

A Memoriam to Professor R.W.G. "Bill" Carter .....	vii
--	-----

## Preface

Coastal Evolution in the Quaternary: IGCP Project 274	
O. van de Plassche, M.J. Chrzastowski, J.D. Orford, A.C. Hinton and A.J. Long .....	ix

## Research Papers

Holocene evolution of relative sea level and local mean high water spring tides in Belgium—a first assessment	
L. Denys and C. Baeteman .....	1
Holocene relative sea-level change and crustal movement in the southwestern Netherlands	
P. Kiden .....	21
Holocene relative sea-level changes and coastal vegetation history at Kentra Moss, Argyll, northwest Scotland	
I. Shennan, J.B. Innes, A.J. Long and Y. Zong .....	43
The role of hydro-isostasy for Holocene sea-level changes in the British Isles	
P. Johnston .....	61
Modeling the contribution of M <sub>2</sub> tidal amplification to the Holocene rise of mean high water in the Gulf of Maine and the Bay of Fundy	
W.R. Gehrels, D.F. Belknap, B.R. Pearce and B. Gong .....	71
Holocene tides of The Wash, U.K.: The influence of water-depth and coastline-shape changes on the record of sea-level change	
A.C. Hinton .....	87
Evolution of the intra-coastal tidal range in the Rhine–Meuse delta and Flevo Lagoon, 5700–3000 yrs cal B.C.	
O. van de Plassche .....	113
Implications for sea-level research of salt marsh and mudflat accretionary processes along paraglacial barrier coasts	
S.C. Jennings, R.W.G. Carter and J.D. Orford .....	129
A sea-level rise curve from Guilford, Connecticut, USA	
K.R. Nydick, A.B. Bidwell, E. Thomas and J.C. Varekamp .....	137
Recent coastal evolution of the caspian sea as a natural model for coastal responses to the possible acceleration of global sea-level rise	
P.A. Kaplin and A.O. Selivanov .....	161
The relationship between the rate of mesoscale sea-level rise and the rate of retreat of swash-aligned gravel-dominated barriers	
J.D. Orford, R.W.G. Carter, J. McKenna and S.C. Jennings .....	177
Differential preservation of coastal structures on paraglacial shelves: Holocene deposits of southeastern Canada	
D.L. Forbes, J. Shaw and R.B. Taylor .....	187
Holocene spit development on a regressive shoreline, Dornoch Firth, Scotland	
C.R. Firth, D.E. Smith, J.D. Hansom and S.G. Pearson .....	203
The evolution of Buctouche Spit, New Brunswick, Canada	
J. Ollerhead and R.G.D. Davidson-Arnott .....	215
The lithostratigraphy and biostratigraphy of a holocene coastal sediment sequence in Marazion Marsh, west Cornwall, U.K. with reference to relative sea-level movements	
M.G. Healy .....	237
Mid- and late-Holocene evolution of the Dungeness foreland, UK	
A.J. Long and P.D.M. Hughes .....	253
Evidence from sites in Western Ireland of late Holocene changes in coastal environments	
C. Delaney and R. Devoy .....	273
Oxygen and carbon isotope study of the Holocene oyster reefs and paleoenvironmental reconstruction on the northwest coast of Bohai Bay, China	

H. Wang, E. Keppens, P. Nielsen and A. van Riet .....	289
Amino acid racemization geochronology of reworked Quaternary mollusks on U.S. Atlantic coast beaches: implications for chronostratigraphy, taphonomy, and coastal sediment transport	
J.F. Wehmiller, L.L. York and M.L. Bart .....	303
Problems of scale in the modeling and interpretation of coastal dunes	
D.J. Sherman .....	339

